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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet

1

of

8

**Complete If Known**

Application Number	10/809,808
Filing Date	March 26, 2004
First Named Inventor	Boris A. MASLOV
Art Unit	2837
Examiner Name	COLON SANTANA, E.
Attorney Docket Number	76897-018CIP6

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
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/ECI	A2	4,315,171	02/09/1982	SCHAFFER	
/ECI	A3	4,438,341	03/20/1984	WINTERBOTHMA	
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Examiner Signature	/Eduardo Colon Santana/	Date Considered	12/09/2007
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				First Named Inventor	Boris A. MASLOV
				Art Unit	2837
				Examiner Name	COLON SANTANA, E.
Sheet	2	of	8	Attorney Docket Number	76897-018CIP6

U.S. PATENT DOCUMENTS					
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/EC/	A26	5,418,437	05/23/1995	COUTURE	
/EC/	A27	5,438,228	08/01/1995	COUTURE	
/EC/	A28	5,465,806	11/14/1995	HIGASA	
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/EC/	A38	5,708,337	01/13/1998	BREIT	
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Sheet	3	of	8	Filing Date	March 26, 2004
				First Named Inventor	Boris A. MASLOV
				Art Unit	2837
				Examiner Name	COLON SANTANA, E.
				Attorney Docket Number	76897-018CIP6

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/EC/	A51	5,955,814	09/21/1999	FUJIWARA	
/EC/	A52	5,997,107	12/07/1999	KOGA	
/EC/	A53	6,002,234	12/14/1999	OHM	
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				First Named Inventor	Boris A. MASLOV
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				Examiner Name	COLON SANTANA, E.
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Sheet 4		of 8			

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FOREIGN PATENT DOCUMENTS					
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> ( <i>If known</i> )			
/EC/	B1	DE 195 03 492 A1	08/08/1996	BITZER et al.	w/ Eng. Abst.
/EC/	B2	DE 197 04 576 A1	08/13/1998	WARTH MARCO	w/ Eng. Abst.
/EC/	B3	DE 199 09 227 A1	10/21/1999	BUHLER MOTOR GmbH	w/ Eng. Abst.

Examiner Signature	/Eduardo Colon Santana/	Date Considered	12/09/2007
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		Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known)				
/EC/	B4	EP 0 006 669 A	01/09/1980	RUTTEN	w/ Eng. Abst.	
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/EC/	B11	WO 01/25049	04/12/2001	CHAUVELIER et al.	w/ Eng. Abst.	
/EC/	B12	JP 11-103586	04-13-1999	MAIOCCHI	w/ Eng. Abst. and Eng. comp. trans.	

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NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				T <sup>2</sup>
	C1	V. ARCI DIACONO, S. CORSI, G. TAGLIABUE, G. OTTAVIANI, S. TOGNO, G. BAROFFIO, C. RAFFAELLI and E. ROSA, "The ENEL's Experience on the Evolution of Excitation Control Systems through Microprocessor Technology," IEEE Transactions on Energy Conversion, Vol. 13, No. 3, September 1998, pp. 292-299				
	C2	HERNAN DE BATTISTA, RICARDO J. MANTZ and CARLOS F. CHRISTIANSEN, "Dynamical Sliding Mode Power Control of Wind Driven Induction Generators," IEEE Transactions on Energy Conversion, Vol. 15, No. 4, December 2000, pp. 451-457				
	C3	R. BLISSENBACH, G. HENNEBERGER, U. SCHAFER and W. HACKMANN, "Development of a Transverse Flux Traction Motor in a Direct Drive System," ICEM2000 Proceedings, Vol. III, August 30, 2000, pp. 1457-1460				
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	C5	B.J. CHALMERS and W. WU, "An Axial-Flux Permanent-Magnet Generator for a Gearless Wind Energy System," IEEE Transactions on Energy Conversion, Vol. 14, No. 2, June 1999, pp. 251-257				
	C6	T.F. CHAN, LIE-TONG YAN and SHAO-XUAN FANG, "In-Wheel Permanent-Magnet Brushless dc Motor Drive for an Electric Bicycle," IEEE Transactions on Energy Conversion, Vol. 17, No. 2, June 2002, pp. 229-233				
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	C9	T.M. EMPSON, "Energy Saving Systems for Induction Motors," 1998, at home.clear.net.nz/pages/ImpPhotonics/es090698.pdf				
	C10	JAWAD FAIZ and MOHAMMAD B.B. SHARIFIAN, "Different Techniques for Real Time Estimation of an Induction Motor Rotor Resistance in Sensorless Direct Torque Control for Electric Vehicle," IEEE Transactions on Energy Conversion, Vol. 16, No. 1, March 2001, pp. 104-108				

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Sheet	7	of	8	Attorney Docket Number
				76897-018CIP6

<b>NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	C11	JACEK F. GIERAS and MITCHELL WING, Permanent Magnet Motor Technology, 2nd Edition, 2002, Marcel Dekker, Inc., New York, pp. 230-234, 238-264, 275-276, 283-285, 353-359 and 369-373		T
	C12	IRVING M. GOTTLIEB, Electric Motors and Control Techniques, 2nd Edition, 1994, TAB Books (Imprint of McGraw Hill), New York, pp. 147-151, 207-210 and 235-239		
	C13	CHIH-YI HUANG, TIEN-CHI CHEN and CHING-LIEN HUANG, "A Microcomputer-based Induction Motor Drive System Using Current and Torque Control," IEEE Transactions on Energy Conversion, Vol. 14, No. 4, December 1999, pp. 874-880		
	C14	JACK et al. "Permanent magnet machines with powdered iron cores and pre-pressed windings," IEEE IAS Conference, Phoenix, USA, Oct. 1999		
/EC/	C15	A. JACK, "Electric machine cores from soft magnetic composites: experience, possibilities and practicalities," unpublished		
	C16	THOMAS M. JAHNS, "Improved Reliability in Solid-State AC Drives by Means of Multiple Independent Phase Drive Units," IEEE Transactions on Industry Applications, Vol. IA-16, No. 3, May/June 1980, pp. 321-331		
	C17	SURESH H. JANGAMSHETTI and V. GURUPRASADA RAU, "Optimum Siting of Wind Turbine Generators," IEEE Transactions on Energy Conversion, Vol. 16, No. 1, March 2001, pp. 8-13		
/EC/	C18	JANSSON, "Advances in soft magnetic composites based on iron powder," powder," Soft Magnetic Materials Conference, Barcelona, Spain, April 1998		
/EC/	C19	JANSSON, et al., "Magnetic assessment of SMC materials," 21st Annual Conference on Properties and Applications of Magnetic Materials, Chicago, USA, May 2002		
	C20	EDUARD MULJADI, HERBERT L. HESS and KIM THOMAS, "Zero Sequence Method for Energy Recovery from a Variable-Speed Wind Turbine Generator," IEEE Transactions on Energy Conversion, Vol. 16, No. 1, March 2001, pp. 99-103		
	C21	M.A. RAHMAN and M.A. HOQUE, "On-line Adaptive Artificial Neural Network Based Vector Control of Permanent Magnet Synchronous Motors," IEEE Transactions on Energy Conversion, Vol. 13, No. 4, December 1998, pp. 311-318		

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				Application Number	10/809,808
				Filing Date	March 26, 2004
				First Named Inventor	Boris A. MASLOV
				Art Unit	2837
				Examiner Name	COLON SANTANA, E.
Sheet	8	of	8	Attorney Docket Number	76897-018CIP6

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/EC/	C23	<del>SEKIMORI et al. "Development of Toyota 'COASTER HYBRID EV,' 13<sup>th</sup> International Electric Vehicle Symposium, Osaka, Japan, October 13-16, 1996, Vol. 2, Symp. 13, pp. 16-23</del>			
	C24	<del>K.L. SHI, T.F. CHAN, Y.K. WONG and S.L. HO, "A Rule-Based Acceleration Control Scheme for an Induction Motor," IEEE Transactions on Energy Conversion, Vol. 17, No. 2, June 2002, pp. 254-259</del>			
/EC/	C25	<del>MASAYUKI TERASHIMA et al. "Novel Motors and Controllers for High Performance Electric Vehicle with 4 In-Wheel Motors," Proceedings of the 1996 IEEE, IECON 22<sup>nd</sup> International Conference in Taipei, Taiwan, August 5-10, 1996, pp. 20-27</del>			
	C26	<del>DAVID A. TORREY and JAMES M. KOKERNAK, "Power Steering: Brushless DC or Switched Reluctance?" Power Electronics Technology, Aug. 2002, pp. 24-33</del>			
	C27	<del>M. NASIR UDDIN, TAWFIK S. RADWIN and M. AZIZUR RAHMAN, "Performance of Interior Permanent Magnet Motor Drive Over Wide Speed Range," IEEE Transactions on Energy Conversion, Vol. 17, No. 1, March 2002, pp. 79-84</del>			
/EC/	C28	<del>UQM Technologies, Inc. press release dated September 17, 2002 and available on the Web at www.uqm.com/press/news/03-19.html</del>			
	C29	<del>VACON PLC, "Vacon NXS: Advanced Motor Control," undated, at www.vacon.com/products/nxs.html</del>			
	C30	<del>O. WASYNCZUK, S.D. SUDHOFF, K.A. CORZINE, JERRY L. TICHENOR and P.C. KRAUSE, "A Maximum Torque per Ampere Control Strategy for Induction Motor Drives," IEEE Transactions on Energy Conversion, Vol. 13, No. 2, June 1998, pp. 163-169</del>			
/EC/	C31	<del>White Paper: Induction Motors - constant frequency; constant voltage variable frequency/variable voltage, Reliance Electric, http://www.reliance.com/prodserv/motgen/b7097_2.htm, 2001</del>			
/EC/	C32	<del>Part of the UQM Technologies, Inc. 2002 Annual Report dated June 19, 2002</del>			

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